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<p>80917 D/44 SHOWA DENKO KK 25.02.80-JP-021602 (21.09.81) C04b-21/10 Lightweight concrete prodn. from foamed cement - using ammonium dodecyl benzene sulphonate foaming agent</p>	<p>A(12-R1) E(10-A9B4) L(2-D3)</p> <p>SHOW 25.02.80 *J5 6120-562</p> <p>In production of light wt. concrete from a foamed cement slurry comprising H₂O, foaming agent and cement material, the improvement comprises using as the foaming agent ammonium alkyl aryl sulphonate e.g. ammonium dodecylbenzene sulphonate etc., so that the light wt. concrete exhibits decreased water-absorbability and water-permeability as well as exhibits excellent anti-freezing and-fusing properties without any damage on its fine uniform foamability and variable bulk density. In the ammonium alkylarylsulphonate, the alkyl radical is straight-chained and has 8-18 carbon atoms, and the aryl radical is e.g. phenyl radical etc. The amt. of the alkylarylsulphonate to be added is at least 0.01 wt. part against 100 wt. parts of the cement material in the case of ammonium dodecylbenzenesulphonate. If necessary a viscosifier such as a water-soluble cellulose derivative e.g. methyl cellulose, ethyl cellulose, methylethyl cellulose, hydroxy ethyl cellulose and CMC etc. may be added. (4pp W34).</p>
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